

California Department of Water Resources Flood Corridor Program

Grant Application Form December 2010

Section 1 Program Background

Grant funds from Proposition 84, the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006, and Proposition 1E the Disaster Preparedness and Flood Prevention Bond Act of 2006 to be allocated and disbursed under the Flood Protection Corridor Program and the Floodway Corridor Program, collectively called the Flood Corridor Program (Program), are available upon competitive selection to local public agencies and nonprofit organizations from the Department of Water Resources. Funds will be used to pursue Program goals, which are to provide for the protection, creation, and enhancement of flood protection corridors through the following actions:

1. Acquiring easements and other interests in real property from willing sellers to protect or enhance flood protection corridors and floodplains while preserving or enhancing the agricultural use of the real property.
2. Setting back existing flood control levees and, in conjunction with undertaking those setbacks, strengthening or modifying existing levees and weirs.
3. Acquiring interests in, or providing incentives for maintaining agricultural uses of, real property that is located in a flood plain that cannot reasonably be made safe from future flooding.
4. Acquiring interests in real property from willing sellers located in a floodplain that cannot reasonably be made safe from future flooding.
5. Acquiring easements and other interests in real property from willing sellers to protect or enhance flood protection corridors while preserving or enhancing the wildlife value of the real property.
6. Constructing new levees necessary for the establishment of a flood protection corridor or bypass.
7. Relocating or flood proofing structures necessary for the establishment of a flood protection corridor.

Submitting Applications using the Online Bond Management System (BMS)

Applicants must submit a complete application on-line using DWR's BMS which is located at the following address:

<http://www.water.ca.gov/bms/>

BMS can only be accessed with Internet Explorer. Applicants must submit a complete application both electronically and in hard copy.

When to Submit on BMS

Applications submitted during a competitive solicitation should be completed on BMS by:

5:00pm, February 25, 2011.

How to Submit on BMS

First register/create an account on BMS by setting up a user profile and selecting your organization from the drop down list. Next select the PSP titled "Flood Corridor Program 2010-2011".

The grant application in BMS consists of eight (8) sections or "tabs". Within BMS, pull down menus, text boxes, or multiple-choice selections will be used to receive answers to the questions. BMS will allow applicants to type text

or cut and paste information from other documents directly into a BMS submittal screen. Attachments will also need to be uploaded onto the BMS application. (Zipped files are recommended to decrease file size). Application can and should be saved often prior to submission.

Additionally:

One hard copy of your entire application, including attachments, with an original signature should be sent to:

Earl Nelson, Program Manager
Department of Water Resources
Flood Protection Corridor Program
3310 El Camino Avenue, Room 140
Sacramento CA, 95821

Please make sure that your application package is postmarked on or before February 25, 2011. For more information about using BMS or about the Program, please visit the website at:
<http://www.water.ca.gov/floodmgmt/fpo/sgb/fpcp/>.

Section 2 Application Benefit Questions

You will find the following questions on BMS, in addition to other questions listed in the table below. Please keep in mind that these questions will be used to evaluate and score a portion of the project proposal. In many cases, the members of the Evaluation Team that review the Flood Protection Benefits section will not be the same members that review the Wildlife and/or Agricultural Protection Benefits section. Therefore, answers to each question should be comprehensive and stand alone, and answers provided in one section may need to be repeated in the subsequent section.

Flood Protection Benefits

1. Existing conditions and flood risk in the floodplain

Describe the existing conditions at the site, including the potential for urban or agricultural development.

Describe the nature of the flood risk, including the depth and extent of flooding. How often has flooding at the site and surrounding area occurred historically?

Describe or show location of proposed project actions, facilities, or improvements in relation to the boundary of the 100-year floodplain. Describe how flood risk reduction within the 100-year floodplain is substantially reduced as a result of the project.

Discuss the importance of improving the flood protection at this location. Include the number of people and structures that are affected by the flood hazard, and the flood impacts to highways and roads, railroads, airports, other infrastructure, and agriculture.

2. Flood damage reduction benefits of the project

Does the proposed project provide for transitory storage of floodwaters? What is the total community or system need for transitory storage related to this water course and what percentage of the total need does this project satisfy? What is the volume of water that can be stored and how long is it detained?

Describe any structural and non-structural flood damage reduction elements of the project. (Examples of structural elements are non-setback levees, weirs, detention/retention basins, rock slope-protection, etc. Examples of non-structural elements are acquisition of property for open space, acquisition of land for flood flow easements, transitory storage, relocation of structures and other flood prone development, elevating flood prone structures, flood

proofing structures, moving levees away from the conveyance channel, etc.) What is the area that would benefit from the project flood risk reduction measures, and how much would the flood risk in the area be reduced?

What is the assessed value of existing structural improvements that will be protected by the project, or for vacant land the anticipated assessed value of expected future improvements that would be subject to flooding if development rights are not removed?

What is the estimated replacement value of any flood control facilities or structures protected by the project?

How much will the project decrease the dollar value of expected average annual flood damage? This can be shown by estimating the value of the existing or for vacant land future assets that would be lost if a flood occurs multiplied by the probability of flooding under pre-project conditions and post project conditions. The difference between the two numbers divided by the smaller of the flood recurrence interval or the project's useful life, will give the average annual flood damage reduction.

By how much will the project reduce taxpayer liability for repairing flood-damaged property? This can be shown by providing the anticipated dollar cost of flood damage repair/restoration for both pre-project and post-project conditions using a flood recurrence interval (example 100 year, 50 year) appropriate to the location, nature, and size of the project. The flood recurrence interval used in estimating flood damages must be stated. Again, for vacant land, to determine pre-project conditions use the dollar value of potential flood damages to anticipated structures once the area is built out if open space conservation measures are not applied. If the planned effect of the project is to conserve the area as open space, use the open space condition as the post-project status for comparison purposes.

How does the project affect the hydrologic and hydraulic conditions at the project site and adjacent properties? What are the potential effects of the project on water surface elevations and velocities during a flood event which could cause property damage and/or loss of life?

3. Restoration of natural processes

Describe existing fluvial conditions in the project vicinity including channel capacity, velocity, inundation of historic floodplain, roughness, scour, sediment transport and deposition, and river meander patterns.

Describe how the project will change the natural channel processes listed above, including effects on upstream and downstream hydraulics and stage, and describe how these changes will affect flood management and adjacent properties.

If the project includes channel modification or bank protection work, will riprap or dredging be part of the design? If so, provide an analysis of potential benefits and impacts.

4. Project effects on the local community

Is the project urban growth inducing? If so, what is the projected flood recurrence interval for the urbanizing area pre-project and post-project?

How will the project affect emergency evacuation routes or emergency services and demands for emergency services?

Explain how the project will comply with the local community floodplain management ordinance and the floodplain management criteria specified in the Federal Emergency Management Agency's National Flood Insurance Program (FEMA's NFIP).

Wildlife Benefits

Habitat values refer to the ecological value and significance of the habitat features at this location that presently occur, have occurred historically, or will occur after restoration.

Viability refers to the site's ability, after restoration if necessary, to remain ecologically viable with minimal on-site management over the long-term, and to be able to recover from any natural catastrophic disturbances (fire, floods, etc.).

1. Importance of the site to regional ecology

Describe any habitat linkages, corridors, or buffer zones within or adjacent to the site. How will these be affected by the project?

Discuss the significance of habitat types at this location and include any local, regional, or statewide benefits received by preserving or improving the area. Is the project proponent working with any local conservancies or trusts?

Does the site contain any significant wintering, breeding, or nesting areas? Does it fall within any established migratory corridors? What is the level of significance? How will these be affected by the project?

Is the site adjacent to any existing conservation areas or large protected natural landscapes (for example, a large stand of blue-oak woodland adjacent to public land)?

Describe any plans for aquatic restoration resulting in in-stream benefits.

Discuss any natural, landscape-scale ecological processes, such as flooding, fire, sand transport, sediment trapping, or others that might be affected by the project.

2. Diversity of species and habitat types

Does the site possess any areas of unique ecological and/or biological diversity?

Does the site possess any vegetative complexity either horizontally or vertically?

Describe any existing habitats that support any sensitive, rare, declining, or threatened and endangered species with known highly restricted distributions in the region or state. Does the site contain any designated critical habitat? How will these be affected by the project? Are there opportunities to enhance areas of critical habitat, and does the project take advantage of these opportunities?

Does the site contain a number of species and habitat types? List and describe. Differentiate between native and introduced species.

What is the amount of shaded riverine aquatic (SRA) and/or riparian habitat to be developed, restored, or preserved?

3. Public benefits accrued from expected habitat improvements

Describe present public use/access, if any. For instance, does or will the public have access for the purpose of wildlife viewing, hunting, fishing, photography, picnics, etc.

Discuss areas on the site that are critical for successfully implementing landscape or regional conservation plans. How will the project help to successfully implement the plans?

Describe any other potential public benefits that may result from wildlife habitat conservation or enhancement to be accomplished as part of the project.

4. Viability/sustainability of habitat improvements

Describe the surrounding vicinity. Include the presence or absence of large urban areas, rapidly developing areas, and adjacent disturbed areas with non-native vegetation and other man-made features. Do any surrounding areas detract from habitat values on the site? Describe the project's compatibility with adjacent land uses.

Is the site at risk for urban development? Is the project site designated for development on any general plan or projected to receive urban services in any sphere of influence? When?

Describe any future operation, maintenance and monitoring activities planned for the site. How would these activities affect habitat values?

Is the watershed upstream of the site relatively undisturbed or undeveloped and likely to remain so into the foreseeable future? Describe its condition.

Does the project site have adequate water supply to establish and sustain planned habitat restoration? Describe.

Is the project site under Williamson Act contract and are the planned habitat improvements allowed?

Agricultural Land Conservation Benefits

1. Potential productivity of the site as farmland

Describe the quality of the agricultural land based on land capability, farmland mapping and monitoring program definitions, productivity indices, and other soil, climate and vegetative factors.

Are projected agricultural practices compatible with water availability?

Does the site come with water, mineral, and/or development rights?

Is the site large enough to sustain future commercial agricultural production?

Does the site contain any adverse or beneficial deed restrictions affecting agricultural land conservation?

Describe the present type of agricultural use including the level of production in relation to the site's productivity potential. What existing infrastructure facilities support agriculture uses at the project site and what is their condition?

2. Farming practices and commercial viability

Does the area possess necessary market infrastructure and agricultural support services?

Are surrounding parcels compatible with commercial agricultural production?

Is there local government economic support in place for agricultural enterprises including water policies, public education, marketing support, and consumer and recreational incentives?

Describe any present or planned future environmentally friendly farm practices (no till, erosion control, wetlands avoidance, eco-friendly chemicals, recycling wastes, water conservation, biological pest control).

3. Need and urgency for farmland preservation measures

Is the project site in a designated agricultural preserve? Is it under a Williamson Act contract? Please describe contract type (10-year or 20-year) and whether a notice of non-renewal has been filed.

Describe the surrounding vicinity. Include the presence or absence of large urban areas, rapidly developing areas, low density ranchette communities, and adjacent disturbed areas with non-native vegetation and other human-induced features. Do any surrounding areas detract from agricultural values on the site?

What types of conversion or development are likely on neighboring parcels? What are the land uses of nearby parcels? Describe the effects, if any, of this project on neighboring farming operations or other neighboring land uses.

4. Compatibility of project with local government planning

Is the agricultural land use on the project site consistent with the local General Plan? Does the General Plan demonstrate commitment to long-term agricultural conservation?

What is the present zoning? Explain any reasons why the parcel cannot be developed.

Describe the relationship between the project site and any applicable sphere of influence.

Is there an effective right to farm ordinance in place?

Is the project description consistent with the policies of the Local Agency Formation Commission?

Will the project as proposed impact the present tax base?

5. Quality of agricultural conservation measures in the project

For agriculture lands proposed for conservation, describe any additional site features to be conserved that meet multiple natural resource conservation objectives, including wetland protection, wildlife habitat conservation, and scenic open space preservation where the conservation of each additional site feature does not restrict potential farming activities on the agriculture portions of the site.

How will existing or proposed agricultural practices affect the present biological/ecological values for wildlife?

Is the project proponent working with any local agricultural conservancies or trusts?

Does conservation of this site support long-term private stewardship of agricultural land? How does this proposal demonstrate an innovative approach to agricultural land conservation?

Without conservation, is the land proposed for protection likely to be converted to non-agricultural use in the foreseeable future?

Quality of Proposal and Additional Benefits

1. Persons benefited and cost

Identify the number of persons expected to benefit and the Program funds per person benefited.*

(* Count as beneficiaries those receiving flood benefits, recreational users of habitat areas protected by the Project, and consumers of food products from agricultural areas conserved by the Project.) Explain calculation methods and assumptions.

2. Effects on water supply or water quality

Will water stored by the project provide for any conjunctive use, groundwater recharge, or water supply benefit?

In livestock grazing areas does the project include measures to improve and protect water quality and habitat quality in and adjacent to open streams, wetlands, or vernal pools?

Does the project use newly developed fresh water marsh to improve water quality?

Does the project trap sediments?

3. Technical and fiscal capability of the project team

Does the project require scientific or technical expertise? If so, specify how the expertise will be provided.

Grant funds will be available to reimburse grantees for budgeted expenses and activities after they occur. What monitoring and reporting mechanisms will be used to track project schedule, expenditures, and progress towards completion of the scope of work?

Please outline your team's management, fiscal and technical capability to effectively carry out your proposal. Mention any previous or ongoing grant management experience you have.

4. Coordination and cooperation with other project, partner agencies, and affected organizations and individuals

Does your project overlap with or complement previous or ongoing activities being carried out by others (such as CALFED, the Sacramento and San Joaquin River Basins Comprehensive Study, the Delta levee program, local floodplain management programs, the Reclamation Board's Designated Floodway program, or a multiple objective regional or watershed plan)? If so, indicate any coordination that has taken place to date or is scheduled to take place in the future.

Will this application, if approved, begin the next phase of a previously approved project or advance an ongoing project substantially toward completion?

Describe how the proposal demonstrates a coordinated approach among affected landowners, local governments, and nonprofit organizations. If other entities are affected, is there written support for the proposal and a willingness to cooperate? If so, please include letters or other evidence of support.

What to submit on BMS

Some documents will need to be downloaded from the Flood Corridor Program (Program) website, completed by the applicant, and then uploaded through BMS. The Program website is located at the following address:

<http://www.water.ca.gov/floodmgmt/fpo/sgb/fpcp/>

The following information will be submitted through BMS:

Application Package Checklist

Tab 1 Applicant Information	This tab includes general information about your organization, budget, geographic, as well as legislative information.	<input type="checkbox"/>
Tab 2 Projects	Some information in the Project tab will be a duplication of the Applicant Information tab. You can copy the information into this tab by choosing the “copy” button. The only new question you will see in this tab is project benefit information. Please leave this item blank.	<input type="checkbox"/>
Tab 3 Flood Protection Benefits	The questions in this tab are shown in the text above.	<input type="checkbox"/>
Tab 4 Wildlife Benefits	The questions in this tab are shown in the text above.	<input type="checkbox"/>
Tab 5 Agricultural Land Conservation Benefits	The questions in this tab are shown in the text above.	<input type="checkbox"/>
Tab 6 Quality of Proposal and Other Benefits	The questions in this tab are shown in the text above.	<input type="checkbox"/>
Tab 7 Application Questions	This tab includes a variety of questions necessary to evaluate your proposal.	<input type="checkbox"/>
Question 1	Agricultural & Wildlife Benefit Ratio- Identify the percentage of benefits your project includes for agricultural land conservation or wildlife benefits. If your project has both agricultural land conservation and wildlife benefits, identify what percentage your project falls into each category. Please keep in mind that it is not necessary or necessarily beneficial to have both wildlife and agricultural benefits.	<input type="checkbox"/>
Question 2	Plan to Minimize Impacts to Adjacent Landowners - Provide a statement as to how the Plan to Minimize Impacts to Adjacent Landowners will be completed and an acknowledgement that this will be done early in the project's schedule	<input type="checkbox"/>
Question 3	Preliminary Maintenance Plan – Provide a plan for maintenance of properties to be acquired or improvements to be funded from the grant and verification that maintenance of the site and planned improvements will be ongoing. The preliminary plan should describe the name of the maintaining agency, a description of periodic maintenance activities to be performed, and frequency and timing of performance, a statement about source of maintenance funds.	<input type="checkbox"/>
Question 4	Significant Impacts under CEQA – List any potentially significant impacts the proposed project could result in. If applicable, list adequate mitigation measures that have been incorporated into the proposal.	<input type="checkbox"/>
Question 5	List of Required Permits – List the required permits and provide an implementation plan for their procurement.	<input type="checkbox"/>
Question 6	Project Acquisition and Easement Description- Provide a description of how the property improvements or acquired property interests funded by the grant will be conserved in perpetuity, either by a recorded conservation easement, deed restriction or similar limitation to fee title held and enforced by an identified third party, or other mechanism acceptable to the State. Upon project implementation, it must be in first position ahead of any recorded mortgage or lien on the property unless this requirement is waived by the State.	<input type="checkbox"/>

Question 7	California Conservation Corps - Describe how services of the California Conservation Corps, or local community conservation corps will be used in the project, if applicable. Do you agree that you will use the services of the California Conservation Corps or a local community conservation corps whenever possible? Yes/No	<input type="checkbox"/>
Question 8	Future Project Benefit Assurance – * For projects with Property Acquisition only or with Preliminary Actions necessary for a future project but which provide no immediate flood benefit - Provide a statement describing assurances that the future project needed to achieve the flood benefits will be implemented and what future flood benefits will occur.	<input type="checkbox"/>
Question 9	Property Acquired or Restored used for Mitigation – Will any of the property acquired or restored with FPCP funds be used to meet mitigation requirements for another project? Y/N If yes, please indicate the number of acres and the specific project(s) for which the property to be acquired or restored will provide mitigation.	<input type="checkbox"/>
Tab 8 Application Attachments	The following items will be uploaded onto the application as attachment. Make sure to keep attachments under the 50 meg maximum, separating attachments if necessary. Also, BMS requires the file name to be less than 50 characters in length.	<input type="checkbox"/>
Attachment 1	Signature Page – (Download from Program Website) Upload a scanned version onto BMS and send by mail, delivery service or hand carry an original (wet signature) signed form with hard copy to the Flood Corridor Program's physical address.	<input type="checkbox"/>
Attachment 2	Project Description – Describe your project and explain how it will advance Program goals and how it will reduce potential taxpayer liability for costs of repairing damages from future flooding. Provide a statement of the relative importance of the project's flood risk reduction as well as wildlife and/or agricultural land conservation benefits. In order to maximize the projects competitiveness, please provide answers to the following questions: A. Can this project be divided into stand alone phases? Yes or No. B. If the project can be divided into stand alone phases, what would be the dollar cost to the Program of Phase 1? C. If only Phase 1 were funded in this funding cycle, what would be the consequences? What project benefits would be lost or deferred? D. By what percentage could the project budget be reduced before the project becomes infeasible? What would be the consequences of reducing the budget?	<input type="checkbox"/>
Attachment 3	Project Location/Site/Vicinity Map – Provide a map and/or diagrams depicting the project location and site characteristics including the area and watershed encompassed by the project and disadvantaged communities within the project area (if applicable). Photographs showing problem areas proposed to be enhanced by the project should also be included. Floodplain Map – Provide a map that shows the 100 year floodplain boundary together with the boundaries of the project. The method used for the floodplain determination (from the list provided in Section 3 of the guidelines) must be stated. Project Drawings and Sketches – Provide drawings or sketches of project features in adequate detail to describe them.	<input type="checkbox"/>
Attachment 4	Proposed Scope of Work and Schedule – Provide a detailed, concise, and specific Scope of Work. This scope of work will be used for preparing the funding agreement should the project be selected for funding. Provide a Schedule for implementation of the project showing the sequence and timing of the proposed work items. The schedule should show the start and end dates and milestones.	<input type="checkbox"/>
Attachment 5	Financial Summary – Include an estimated budget broken down by individual tasks which match the scope of work, ongoing funding sources for long term maintenance costs, and project funding from other parties (State, Federal, local, in-kind and other funding sources) contributing to the project costs and whether those funds are anticipated or committed.	<input type="checkbox"/>
Attachment 6	Hydrologic and Hydraulic (H&H) Analysis or Hydrologist/Engineer's Letter – Attach either an H&H analysis prepared by a civil engineer registered pursuant to California law or a Professional Hydrologist-Surface Water certified by the American Institute of Hydrology, or an engineer's or hydrologist's opinion of flood benefits together with an applicant's statement of intent to prepare a full H&H analysis acceptable to the State early in the project schedule, or a statement deemed acceptable by the State that an H&H analysis is not required because the project will neither affect the hydraulic conveyance capacity of surface water channels nor change transitory storage for storing peak flows.	<input type="checkbox"/>

Attachment 7	CEQA Documentation – Provide the status of all environmental documents required for the project. Attach any draft or final CEQA documents that are available. If none are available, provide a completed Initial Study checklist. If the CEQA document has been published on a website, that website address can be submitted in lieu of attaching the entire document.	<input type="checkbox"/>
Attachment 8	Fee and Easement Acreage Summary Form(Download from Program Website)	<input type="checkbox"/>
Attachment 9	Resolution (Download from Program Website) – Attach a resolution from applicant organization's governing board authorizing submittal of a grant application, indicating their intent to accept the grant if awarded, and authorizing specific individuals to sign the funding agreement on behalf of each applicant organization.	<input type="checkbox"/>
Attachment 10	Statement of Qualifications – Attach a statement of qualifications for each member of the project team (not to exceed two pages per person).	<input type="checkbox"/>
Attachment 11	Evidence of Willing Seller letters – Attach a willing seller letter for all properties to be acquired using FCP funds (Example can be found on Program Website).	<input type="checkbox"/>
Attachment 12	FEMA Conditional Letter of Map Revision (CLOMR) – Attach the FEMA CLOMR or a statement as to how and when it will be obtained. If none is required, please attach an explanation as to why it is not required.	<input type="checkbox"/>
Attachment 13	<p>Property Data Sheet (Download from Program Website) – Attach the Property Data Sheet (to be used for mailing of Public Hearing Notice and Plan to Minimize notice).</p> <p>For Property Interests to be Acquired, the following information is needed:</p> <ul style="list-style-type: none"> • Attach map showing project boundaries and location of property interests to be acquired. APNs should be identified on map. • Owner Name • Assessor Parcel Number (APN) • Telephone, Street Addresses of property owners and lessees or tenants, or Email Addresses • Type of Property Rights to Be Acquired (Easement Only or Fee Title and Easement) <p>All parcels in proposed project area:</p> <ul style="list-style-type: none"> • A list of owner names, Assessor Parcel Numbers, addresses, telephone numbers, and email addresses of all owners of all property interests in parcels within three hundred feet of the project boundaries. 	<input type="checkbox"/>

Section 3 Application Scoring

The following information constitutes the basis for determining whether a proposed project meets the criteria for funding under the Program and for evaluating the proposal to determine its priority in relation to all concurrent proposals. Projects of higher priority will be funded first, and when all high priority projects have been funded lower priority projects may be funded.

Scoring for proposed projects is broken up into three categories: Flood Protection Benefits, Wildlife/Agricultural Benefits, and Quality of Proposal and Other Benefits. In order to be eligible for funding, a proposal must score at least 50% of the possible points in each of the three categories: flood protection, wildlife and/or agricultural land conservation, and quality of proposal and additional benefits. If a project has both wildlife and agricultural conservation benefits, the percentage of the benefits will be scored as a ratio of the two which, when combined equal 100% of the score for wildlife and agricultural benefits.

Scores will be based on the following table:

Flood Protection Benefits		Wildlife Conservation Benefits	or	Agricultural Land Conservation Benefits		Quality of Proposal and Additional Benefits	
Existing conditions and flood risk in the floodplain	50	Importance of the site to regional ecology	110	Potential productivity of the site as farmland	120	Budget and Project scope	100
Flood damage reduction benefits of the project	170	Diversity of species and habitat types	110	Farming practices and commercial viability	50	Persons benefited	30
Restoration of natural processes	60	Public benefits accrued from expected habitat improvements	40	Need and urgency for farmland preservation measures	50	Effects on water supply or water quality	40
Project effects on the local community	60	Viability/sustainability of habitat improvements	80	Compatibility of project with local government planning	70	Project team and administration	80
				Quality of agricultural conservation measures in the project	50	Readiness to proceed	70
		Subtotal	340	Subtotal	340		
Total possible points	340	Total possible points 340				Total possible points	320